TOSHIBA

Satellite® 2435 Series

Best Desktop Replacement with powerful features at a value price

Model(s):

Satellite 2435-S255

P4 2400/15.0"XGA/512MB/40GB/DVD-CDRW/Mdm/LAN/WinXP Home — PS243U-0276RV

Satellite 2435-S256

P4 2400/15.0"XGA/512MB/40GB/DVD-CDRW/Mdm/LAN/WinXP Pro — PS243U-0276R6

Product Highlights

Performance

- Intel® Pentium® 4 processor at 2.40GHz
- 512MB expandable to 1024MB
- 40GB* hard disk drive

Great Features

- 15.0" TFT active matrix display
- NVIDIA® GeForce4™ 420 Go graphics controller with 32MB video memory
- DVD-ROM/CDRW multi-function drive

Get On-Line

- Integrated V.92/56K modem
- Integrated 10/100 Ethernet LAN
- *Optional Upgrade:* Integrated 802.11b Wireless LAN module

System Characteristics

CPU *(See CPU Performance Disclaimer)***

- Intel® Pentium® 4 processor at 2.40GHz**
- Integrated co-processor

L2 Cache

- 512KB Level 2 Cache integrated on die
- 533MHz processor system bus clock speed

Memory

- 512MB expandable to 1024MB; SODIMM expansion memory
- 128/256/512MB PC2100 DDR SDRAM, 2.5V
- Data/Address Bus Width; 64-bit/32-bit
- Intel 845PE +ICH4 Chipset

Mass Storage

- **Primary Hard Disk Drive**: 40GB* hard disk drive; Enhanced IDE (ATA-5); 9.5mm height, 0.2lbs, service removable
- **Modular DVD/CD-RW (included)**: ATAPI Interface; Compatibility: CD-ROM, CD-R, CD-RW, DVD-ROM, DVD-R (read only)
- Optional Modular Bay Drives: DVD-Multi, DVD-R/RW
- Software Decoder: WinDVD®

Graphics/Video

- 15.0"TFT active-matrix display; Internal display supports up to 16M colors at 1024 x 768
- NVIDIA GeForce4 420 Go graphics controller; 32MB external DDR video memory
- Direct 3D Support; OpenGL Support; DirectVideo and DirectMPEG (supported by software only)
- External Color Support/Refresh rate: (depending on CRT)
  800 x 600; 120Hz @ 16bit/32bit colors (clean stretch)
  1024 x 768; 120Hz @16bit/32bit colors (clean stretch)
  1280 x 1024;120Hz @16bit/32bit colors (clean stretch)
  1400 x 1050;100Hz @16bit/32bit colors (clean stretch)
  1600 x 1200; 100Hz @16bit/32bit colors (clean stretch)
  1920 x 1440; 75Hz @16bit/32bit colors (virtual screen)
  2048 x 1536;60Hz @16bit/32bit colors (virtual screen)

Input Devices

- **Keyboard:** Full sized 85 keys with 12 function keys, 2.7mm key stroke, 6mm height; Dedicated Windows® & Application keys support; HotKey function; **TouchPad** pointing device; Scroll function (by help of driver)
- **CD Control Function:** Play/Pause, Stop/Eject, Previous, Skip/Next
- Instant Access Internet Button
- One Touch TV-out button
- Toshiba Console Button

Part Numbers

Expandability

- 2 Expansion memory slots (including main memory slot) – (*Both slots may be occupied*)
- 2 PC Card slots support 2 Type II

Communications

- Integrated V.92/56K modem; Data and fax support
- Integrated 10/100 Ethernet LAN
- ***Optional Upgrade:*** Integrated Wireless LAN (IEEE 802.11b) module

Due to FCC limitations, speeds of 53kbps are the maximum permissible transmission rates during Download. Actual data transmission speeds will vary depending on line conditions.

Ports

- ECP Parallel printer port
- RGB Port (Monitor)
- 3 Universal Serial Bus ports (2.0)
- Infrared port
- TV-Out (S-Video)
- RJ-45 LAN port
- RJ-11 modem port
- i.LINK™ - (IEEE 1394)
- SD Card

Physical Description

- Dimensions (LxWxH): 13.0" x 11.0" x 1.7"
- Weight: 7.7lbs
- Power Switch; Wireless Communications switch
- LED Indicators: Power, Power Save Mode, HDD, FDD, CD/DVD-ROM, DC-IN, Caps Lock, Arrow, Numeric, Main Battery Charging Status, System Sleep / Suspend status, Wireless Communication (left side), SD Card

Sound

- Realtek ALC202 Codec Chip; Software Sound Chip
- 16-bit stereo, Windows Sound System V2.0; SoundBlaster® Pro compatible (in DOS box only)
- **Built-in harman/kardon Stereo Speakers**
- Direct 3D Sound (supported by sound driver); DirectSound and DirectMusic (supported by hardware acceleration); Full Duplex and MIDI support
- Sound Volume Control Dial
- **Ports:** Microphone port, headphone port, Line-in port

Power Supply

- **AC Adapter:** 90W external AC Adapter, 100-240V / 50-60Hz frequency (Universal) input voltage, 19V x 4.74A Output.
- **Battery Pack:** 12-cell, rechargeable, removable Li-Ion battery, 14.8V x 6450mAh
  Dimension (LxWxH): 5.2" x 4.9" x 0.8"
  Weight: 1.5lbs
- Up to 2.5H battery life
- Recharge Time (Main Battery On/Off): 4Hrs/4Hrs~12Hrs
- Battery life may vary depending on product model, configuration, applications, power management settings and features utilized. Recharge time varies depending on usage. Battery may not charge while computer is consuming full power. After a period of time, the battery will lose its ability to perform at maximum capacity and will need to be replaced. This is normal for all batteries. To purchase a new battery pack, see the accessories information that shipped with your computer or visit www.accessories.toshiba.com

Security

- Slot for computer lock, HDD and memory (by screw only), Built-in Modem/LAN (screw only), User Power-on password, Setup Security, Screen Blank (by Hotkey), Screen Saver by software

Toshiba America Information Systems Inc. ("TAIS") shall not be liable for damages of any kind for use of this information, which is subject to change without notice. Copyright 2002 TAIS satellite_2435.doc Created on 1/2/2003 4:18 PM

Bios

- ACPI, PnP, VESA, DPMS, DDC, SM BIOS, PCI BIOS support

Operating System

- **Microsoft® Windows XP Home (2435-S255)** pre-installed
- **Microsoft® Windows XP Pro (2435-S256)** pre-installed
- Windows 2000 component drivers on the web

Additional Software

- Microsoft® Works
- Intuit® Quicken® Basic 2001
- Norton® AntiVirus™ 2002
- AOL® (3 –Month offer)
- Adobe® Acrobat™ Reader
- AT&T® Worldnet® Service Offer – 1 Month Free
  Telephone access and other charges and other terms and conditions may apply. Offer available to new customers only. Offer expires 4/30/04.
- Microsoft Internet Explorer
- Toshiba Custom Utilities
- Satellite Series Online Documentation
- ***Toshiba Great Software Offer*:** Receive your choice of two software titles. The software selection includes titles from the follow categories; productivity, education/reference, creativity and entertainment

Warranty

- 1 year parts, labor and battery

Environmental Specifications

- **Temperature:** Operating: 5° to 35°C (41° to 95°F); Non-operating: -20° to 65°C (-4° to 149°F)
- **Thermal gradient:** Operating: 15°C per hour maximum; Non-operating: 20°C per hour maximum
- **Relative Humidity:** Operating: 20% to 80% non-condensing; Non-operating: 10% to 95% non-condensing
- **Altitude (relative to sea level):** Operating: -60 to 3000 meters; Non-operating: -60 to 10,000 meters
- **Shock:** Operating: 10G; Non-operating: 60G
- **Vibration:** Operating: 0.5G; Non-operating: 1.0G

Selected Accessories

Toshiba Accessories

PA3165U-1ACA	Global AC adapter
PA3250U-1BRS	Primary Li-Ion Battery
PA3212U-1MPC	Wireless LAN Card Kit (802.11b) (Must be installed by Wireless Authorized Service Provider)
PA3109U-1FDD	USB Floppy Disk Drive
PA3255U-1DV1	Modular Bay DVD-Multi
PA3253U-1CD2	Modular Bay DVD-ROM/CDRW
PA3256U-1DV2	Modular Bay DVD-R/RW

Kingston Memory

KTT3614/128	128MB PC2100 DDR SDRAM Memory
KTT3614/256	256MB PC2100 DDR SDRAM Memory
KTT3614/512	512MB PC2100 DDR SDRAM Memory

Targus (Cases-Security)

NWCTM1	Metropolitan Carrying Case (koskin)
NWCEC2	Executive Classic
NWCC52	Global Traveler
PA450U	Targus Defcon Key Lock

Wi-Fi (Agere)

7000011030	AP-2000 (802.11a/b) Access Point

Product/Part Numbers/UPC

Satellite 2435-S255 (Win XP Home)
Part number: PS243U-0276RV UPC code: 032017169647
Satellite 2435-S256 (Win XP Pro)
Part number: PS243U-0276R6 UPC code: 032017169661

*** GB = 1 billion bytes**

**** Central Processing Unit ("CPU") Performance Disclaimer:***

CPU performance in your computer product may vary from specifications under the following conditions:

- use of certain external peripheral products
- use of battery power instead of AC power
- use of certain multimedia games or videos with special effects
- use of standard telephone lines or low speed network connections
- use of complex modeling software, such as high end computer aided design applications
- use of computer in areas with low air pressure (high altitude >1,000 meters or >3,280 feet above sea level)
- use of computer at temperatures outside the range of 5°C to 35°C (41°F to 95° F) or >25°C (77°F) at high altitude (all temperature references are approximate).

CPU performance may also vary from specifications due to design configuration.

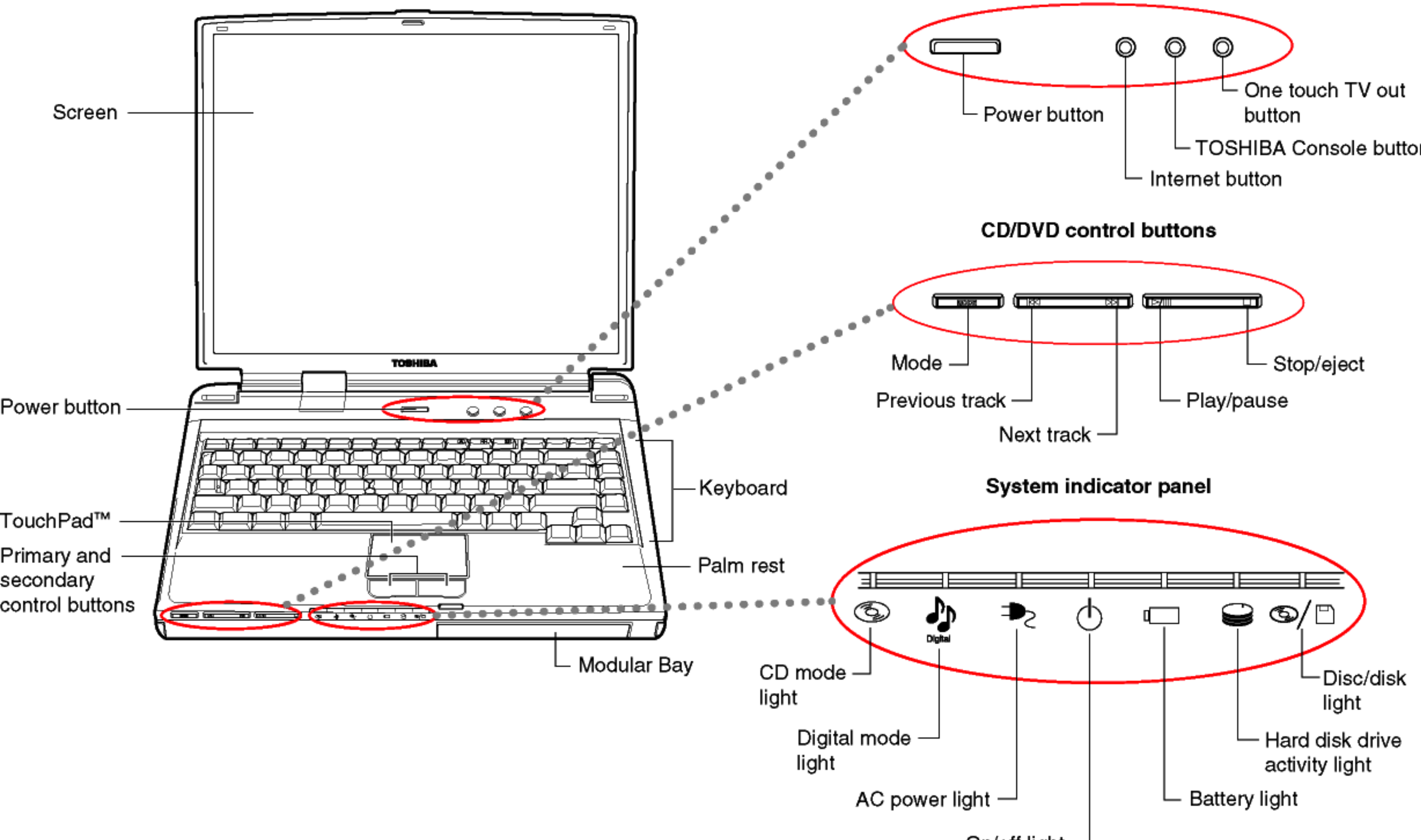
Under some conditions, your computer product may automatically shut-down. This is a normal protective feature designed to reduce the risk of lost data or damage to the product when used outside recommended conditions. To avoid risk of lost data, always make back-up copies of data by periodically storing it on an external storage medium. For optimum performance, use your computer product only under recommended conditions. Read additional restrictions under "Environmental Conditions" in your product Resource Guide. Contact Toshiba Technical Service and Support for more information.

Return Policy

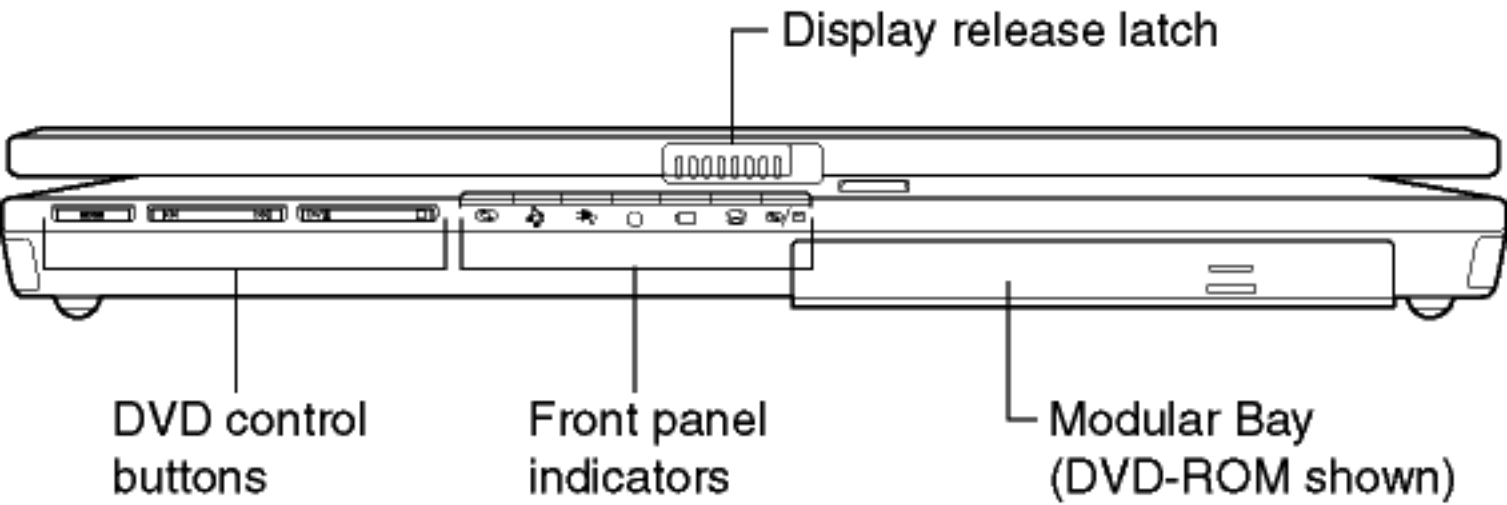
TAIS does not accept the return of component parts, or bundled software, which have been removed from the PC system. Pro-rata refunds on individual PC components or bundled software, including the operating system, will not be granted. If you wish to return a complete PC system, contact the TAIS dealer where you purchased the product, and comply with the dealer's standard return policies and procedures.

Toshiba America Information Systems Inc. ("TAIS") shall not be liable for damages of any kind for use of this information, which is subject to change without notice. Copyright 2002 TAIS satellite_2435.doc Created on 1/2/2003 4:18 PM

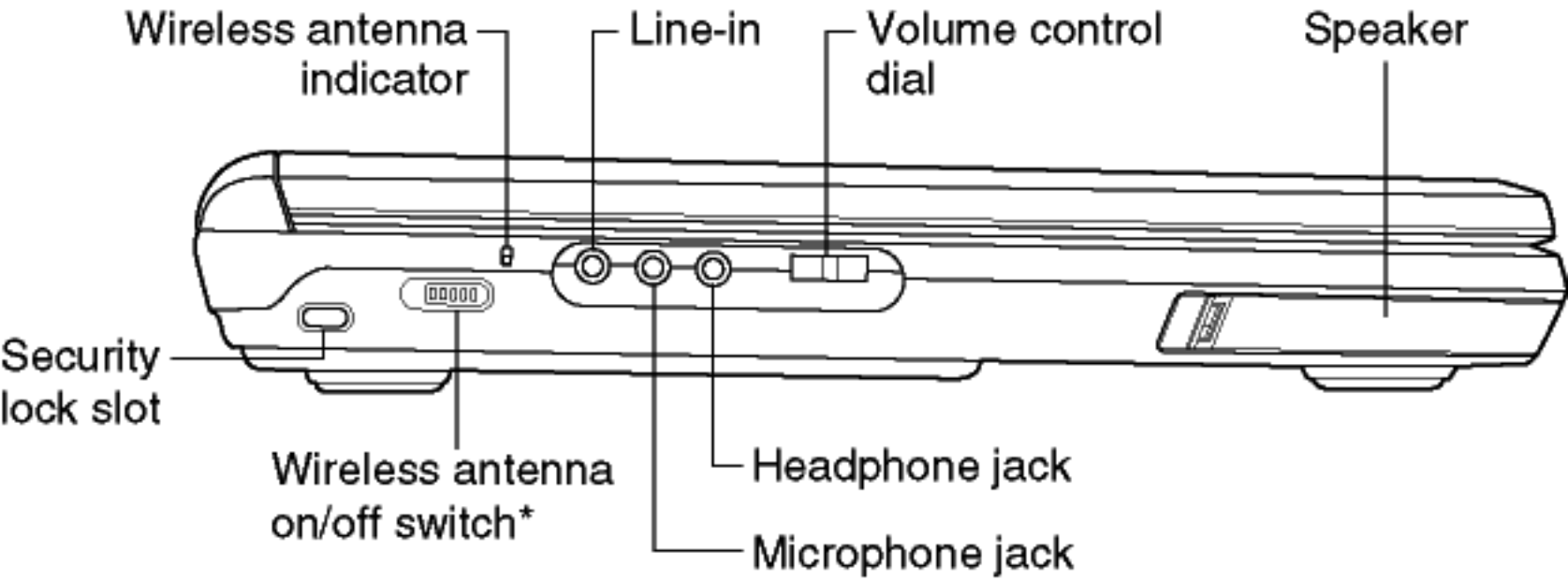
Front with display open



Front with display closed

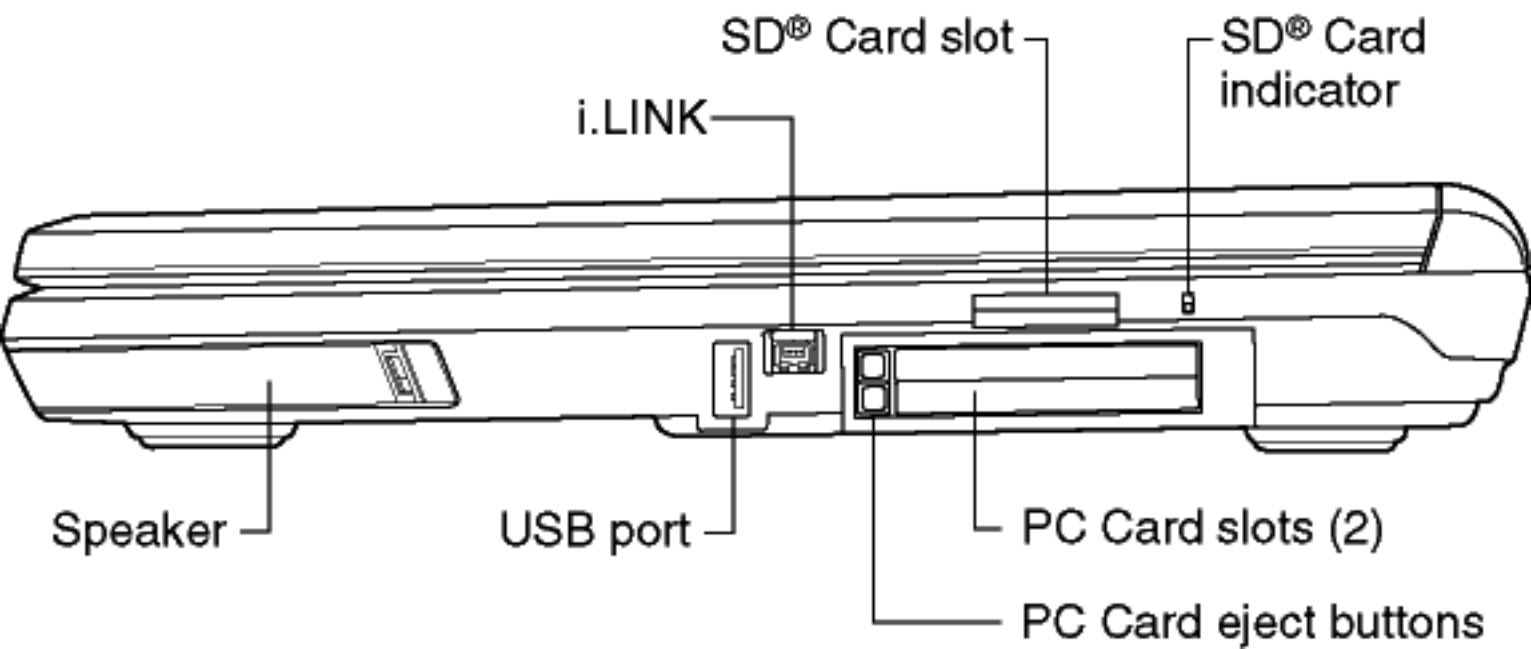


Left side

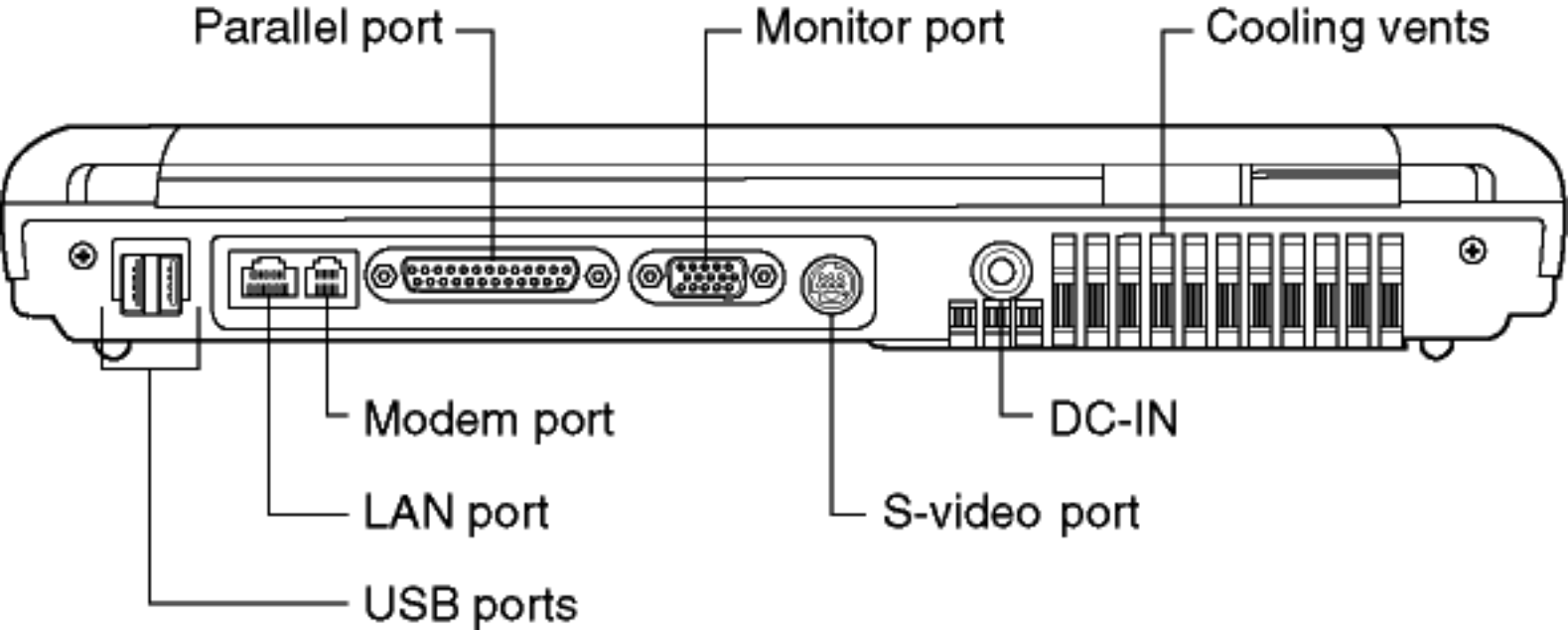


*Functional only on systems with wireless module installed.

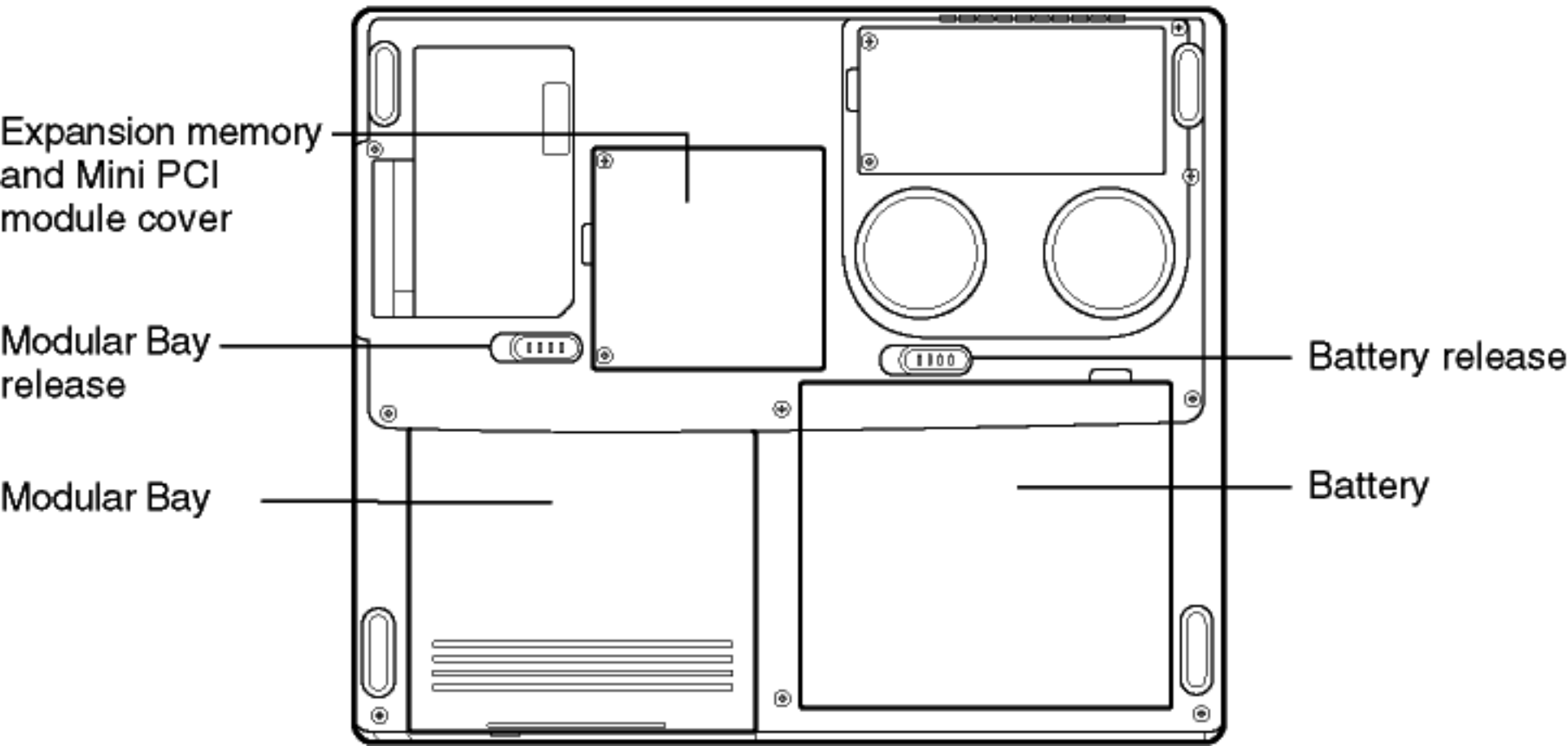
Right side


SD® Card slot
SD® Card indicator
i.LINK
Speaker
USB port
PC Card slots (2)
PC Card eject buttons

Back


Parallel port
Monitor port
Cooling vents
Modem port
DC-IN
LAN port
S-video port
USB ports

Underside


Expansion memory and Mini PCI module cover
Modular Bay release
Modular Bay
Battery release
Battery